L14: Entry 12 of 67 File: USPT Apr 9, 2002

DOCUMENT-IDENTIFIER: US 6370634 B1
TITLE: Data flow computer with two switches

Brief Summary Text (7):
In this system Von Neumann's principle of data processing is used. Every central processor contains a conforming (conjugating) unit, a block for performing procedures, an indexing block, a block for value retrieving, a block for processing strings, an arithmetic-logical unit, a block of the basic registers, a unit for instructions forming, a control unit, a unit for the distribution of stack addresses, a buffering stack of operands, an associative memory unit, a unit for transformation of the mathematical addresses into the physical ones, a block of memory for buffering instructions, a block for analysis of interrupts.

Refine Search

Search Results -

Terms	Documents
((conjugat$ or conform$) near3 processo$)	480

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
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JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L15

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Wednesday, June 30, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L15	((conjugat$ or conform$) near3 processo$)	480	L15
L14	(conjugat$ near3 processo$)	67	L14
L13	6516022.pn.	1	L13
L12	l6 and conjug$	0	L12
L11	l6 and (compress$ or reduc$ or loss$)	1	L11
L10	l6 and graphical near4 (Boat$)	1	L10
L9	l6 and (non-affine)	1	L9
L8	L6 and (instruction$ Or process$) near9 (dimension$)	1	L8
L7	L6 and (instruction$ Or process$)	1	L7
L6	6078745.pn.	1	L6
L5	(convert$ or map$ or transfer$ or transform$) near6 (multi-dimension$ near8 one-dimension$)	44	L5
L4	L3 and architect$	42	L4

L3	L2 and map$	92	L3
L2	L1 and (processor$ or execut$ or instruction$)	185	L2
L1	(multi-dimension$ near8 one-dimension$)	258	L1

END OF SEARCH HISTORY

Terms used **edit** and **distance** and **compression** Found **9,753** of **138,663**

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1 The string edit distance matching problem with moves

Graham Cormode, S. Muthukrishnan

January 2002 **Proceedings of the thirteenth annual ACM-SIAM symposium on Discrete algorithms**

Full text available: pdf(1.13 MB) Additional Information: full citation, abstract, references, citings

The edit distance between two strings *S* and *R* is defined to be the minimum number of character inserts, deletes and changes needed to convert *R* to *S*. Given a text string *t* of length *n*, and a pattern string *p* of length *m*, informally, the string edit distance matching problem is to compute the smallest edit distance between *p* and substrings of *t*. A well known dynamic programming algorithm takes time $O(nm)$ to solve ...

2 Session 12C: The similarity metric

Ming Li, Xin Chen, Xin Li, Bin Ma, Paul Vitányi

January 2003 **Proceedings of the fourteenth annual ACM-SIAM symposium on Discrete algorithms**

Full text available: pdf(1.04 MB) Additional Information: full citation, abstract, references, index terms

A new class of metrics appropriate for measuring effective similarity relations between sequences, say one type of similarity per metric, is studied. We propose a new "normalized information distance", based on the noncomputable notion of Kolmogorov complexity, and show that it minorizes every metric in the class (that is, it is universal in that it discovers all effective similarities). We demonstrate that it too is a metric and takes values in [0, 1]; hence it may be called the *similarity m* ...

3 A guided tour to approximate string matching

Gonzalo Navarro

March 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 1

Full text available: pdf(1.19 MB) Additional Information: full citation, abstract, references, citings, index terms, review

We survey the current techniques to cope with the problem of string matching that allows errors. This is becoming a more and more relevant issue for many fast growing areas such as information retrieval and computational biology. We focus on online searching and mostly on edit distance, explaining the problem and its relevance, its statistical behavior, its history and current developments, and the central ideas of the algorithms and their complexities. We present a number of experiments to ...

Keywords: Levenshtein distance, edit distance, online string matching, text searching